

Title (en)
ELECTRIC LAMP, BASE FOR USE THEREWITH AND METHOD OF ASSEMBLING SAME

Publication
EP 0277659 A3 19901031 (EN)

Application
EP 88101697 A 19880205

Priority
US 1146587 A 19870205

Abstract (en)
[origin: EP0277659A2] An electric lamp including a reflector (11), at least one conductive ferrule (25) located within a surface of the reflector (11) and a lead-in conductor (21) electrically connected to the ferrule (25) and extending within the reflector (11). The lamp includes a base (23) having an insulative (e.g., ceramic) cap (29) located substantially about the ferrule (25), barrier means (41) (e.g., ceramic fiber) located within the cap to define an open chamber substantially about the ferrule (25), an electrical conductor (35) (e.g., wire) extending within the cap (29) and electrically connected (e.g., silver soldered) to the ferrule (25), and sealing means (45) (e.g., high temperature cement) located within the cap to provide a seal therefore. The barrier means (41) serves to separate the sealing means (45) from the open chamber (43) about the ferrule such that the heat generated by the ferrule can be vented through spaced apertures (51) located within the cap's side wall. A method of assembling a base on an electric lamp is also provided.

IPC 1-7
H01K 1/34; **H01K 1/46**; **H01K 3/16**

IPC 8 full level
H01K 1/34 (2006.01); **H01K 1/42** (2006.01); **H01K 1/46** (2006.01); **H01K 1/58** (2006.01); **H01K 3/16** (2006.01); **H01K 7/00** (2006.01)

CPC (source: EP US)
H01K 1/34 (2013.01 - EP US); **H01K 1/46** (2013.01 - EP US); **H01K 3/16** (2013.01 - EP US); **Y02B 20/00** (2013.01 - EP US)

Citation (search report)
• [A] US 4339685 A 19820713 - SAGUCHI NORIO, et al
• [AD] US 4345178 A 19820817 - PAPPAS JOHN A, et al

Cited by
EP0420214A3; US5178712A

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EP 88101697 A 19880205; CA 557953 A 19880202; JP 2407988 A 19880205; US 1146587 A 19870205